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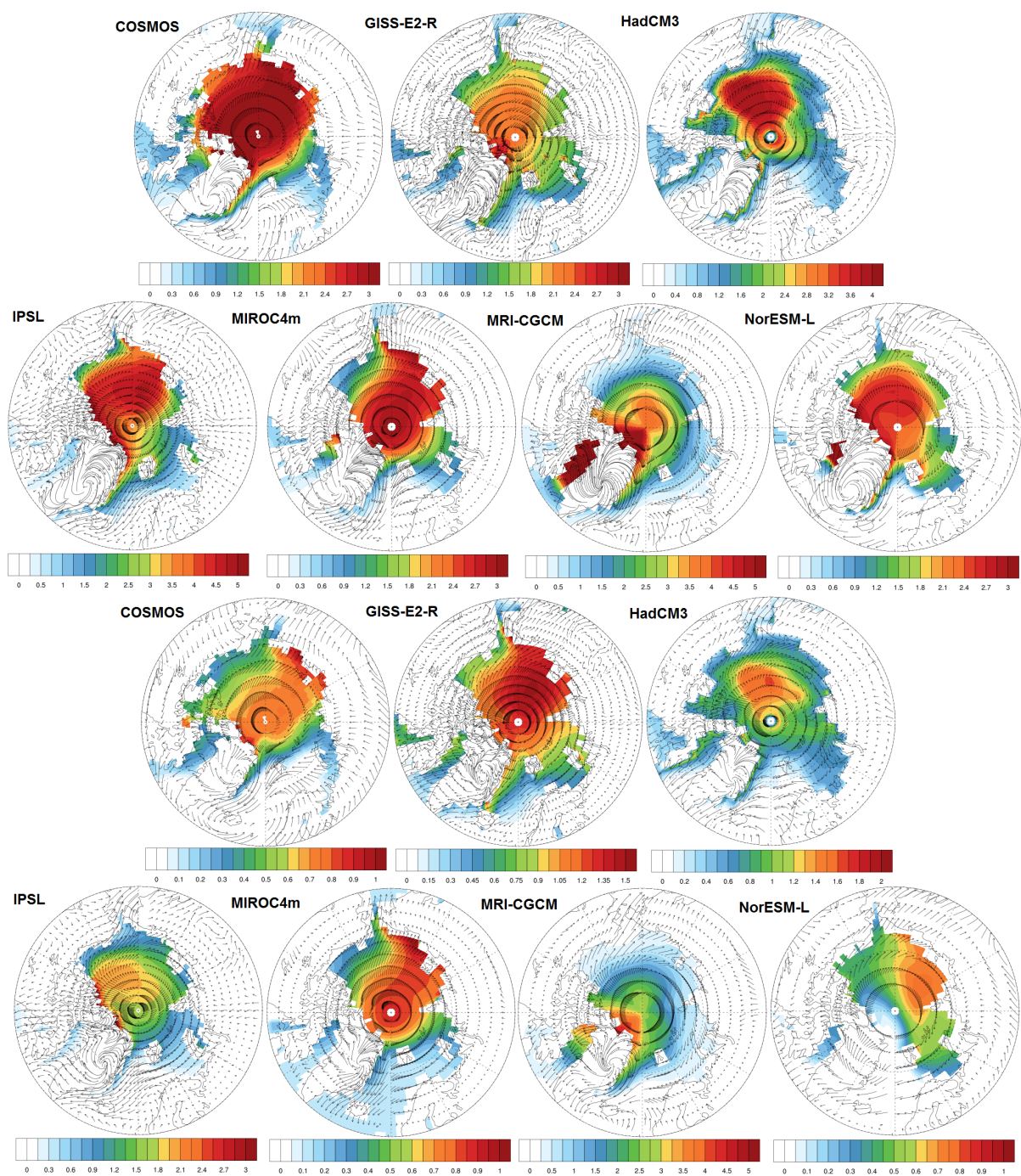
*Supplement of*

## **Arctic sea ice simulation in the PlioMIP ensemble**

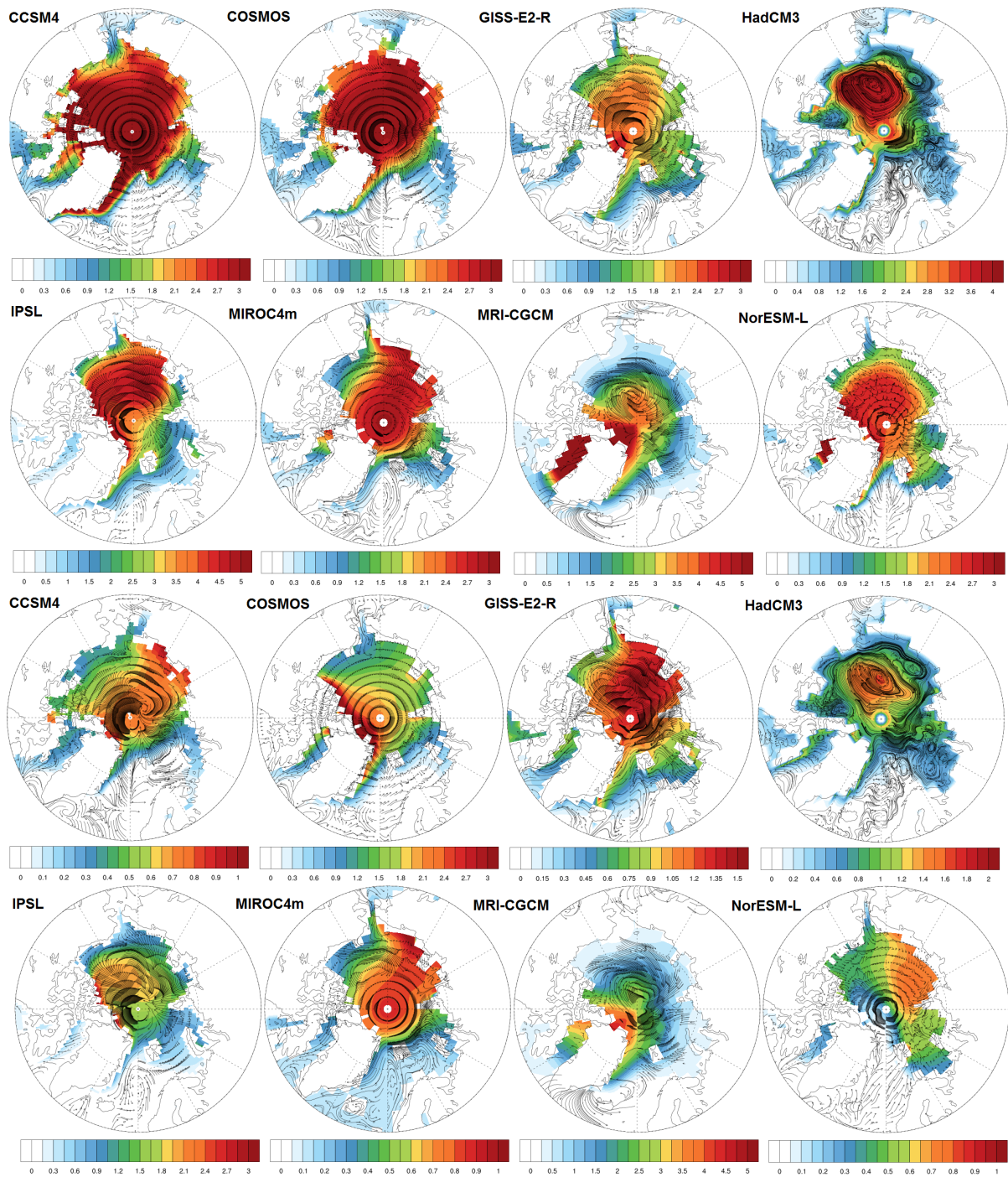
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**Figure 1.** Mean annual 10 m winds and mean annual sea ice thickness (m) in pre-industrial (upper half) and mid-Pliocene (lower half) for each PlioMIP Experiment 2 model (excluding CCSM4). Vector length is proportional to wind speed.



**Figure 2.** Mean annual surface ocean currents and sea ice thicknesses (m) in pre-industrial (upper half) and mid-Pliocene (lower half) for each PlioMIP Experiment 2 model. Vector length is proportional to ocean current speed.